

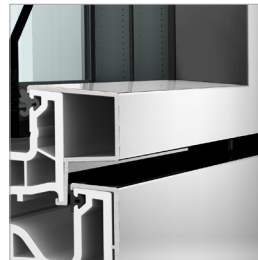
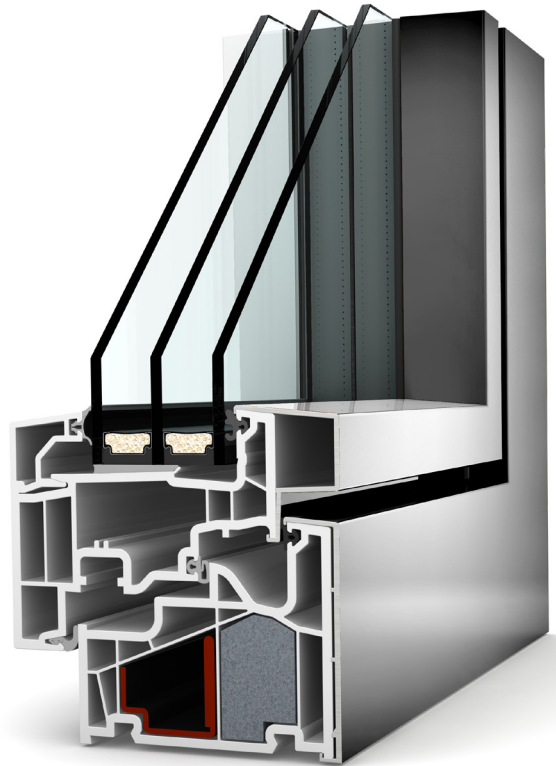
studio KF 410

UPVC/ALUMINIUM WINDOW

TECHNICAL DATA:

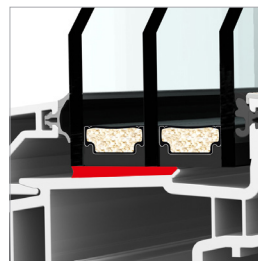
- Design** Flush design in modern square-edged design
- Thermal insulation** Thermal insulation with standard triple glazing and highly insulating edge seal
 $(U_g = 0.5 \text{ W/m}^2\text{K}) U_w = 0.72 \text{ W/m}^2\text{K}$
 For best energy efficiency SOLAR+ glazing ($U_g = 0.6 \text{ W/m}^2\text{K}$ and g value 62 %) $U_w = 0.79 \text{ W/m}^2\text{K}$
- Sound insulation** Soundproofing up to 45 dB (with corresponding glazing)
- System description** 90 mm construction depth
 Can be combined with timber/aluminium windows
 Fully concealed hardware
 Visible or concealed drainage
 Shortened aluminium attachment clad available upon request, for thermo-technical optimised construction connection
 Triple gasket system
 FIX-O-ROUND Technology
 Standard security
 5 chamber system with highly heat insulating thermal foam (HCFC, HCF and FC free)
 I-tec ventilation available upon request
 Passive house certified in the standard version acc. to ift Rosenheim

I-tec



FLUSH DESIGN

Modern square-edged design outside and inside, can be integrated into the facade on three sides.



I-TEC GLAZING FIX-O-ROUND TECHNOLOGY

Continuous all around fixing of the glass pane ensures better stability, thermal and sound insulation, burglary protection and functioning security.

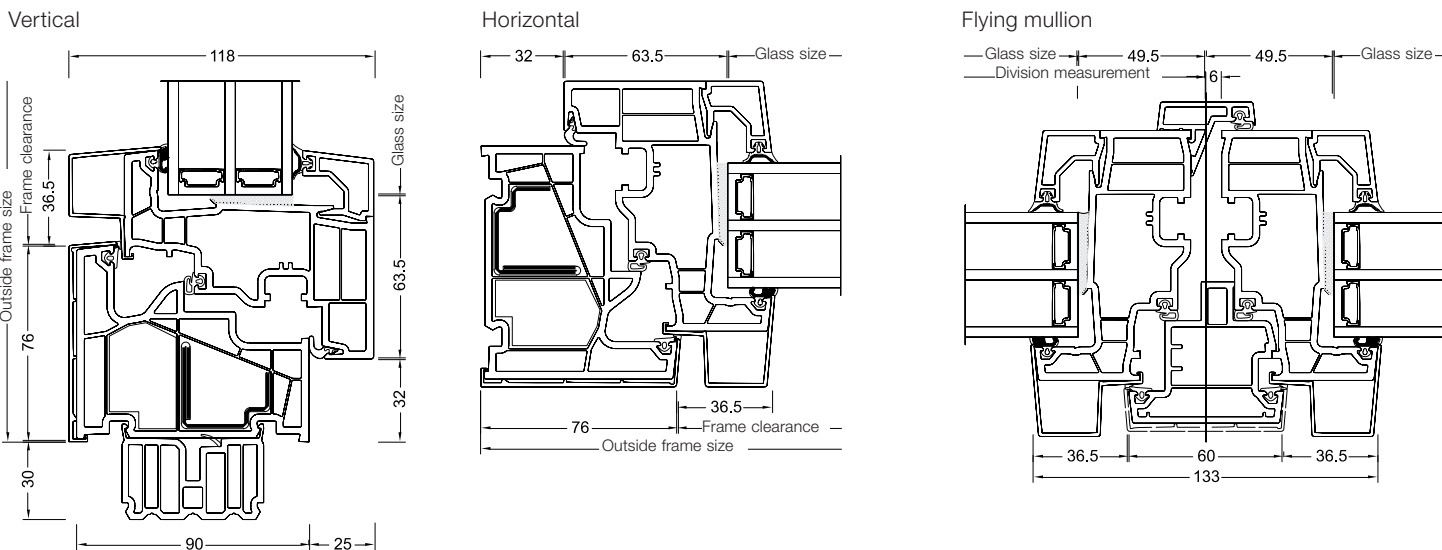


I-TEC VENTILATION

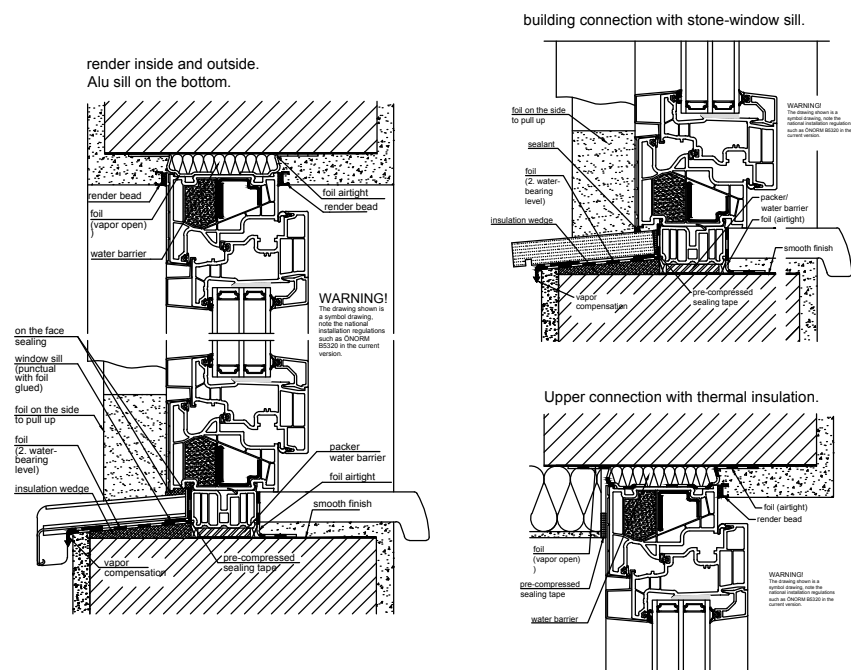
Continuous fresh air for the whole room and your well being. Uncontrolled airing leads to energy losses. The I-tec ventilation is equipped with a heat exchanger. Heat recovery reduces the energy losses to a minimum.



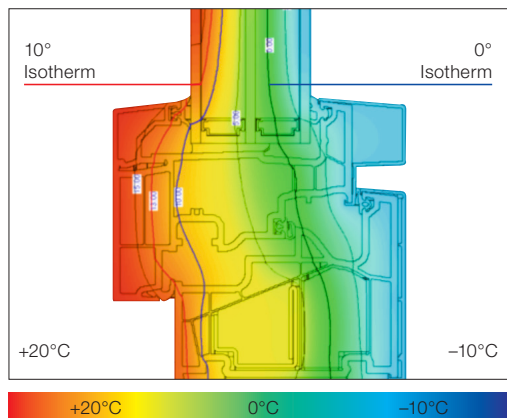
Sectional drawings



Construction connections



Technical information



Optimal isotherm gradient to ensure low amounts of condensation. Due to the deep glass position, tremendous construction depth and the directly glued window panes, glazing LIGHT ($U_g = 0.5 \text{ W/m}^2\text{K}$) can achieve a sensational U_w value of $0.72 \text{ W/m}^2\text{K}$ (with ISO spacer).

Multi chamber system with additional highly heat insulating thermal foam (HCFC, HFC and FC free), all around glueing of the panes and sendzimir-galvanised reinforcement profile in the frame

- Inside: white
- Outside: available with aluminium clad in all RAL colours as well as attractive timber decor, metallic decor, anodised, HF, HFM and „stainless steel look“ colours
- Frame profile with a construction depth of 90 mm
- Sash profile with a construction depth of 96.5 mm
- 2 light grey gaskets in sash profile (stopper gasket and centre gasket)
- Light grey frame stopper gasket in UPVC version, choice of light grey or black in UPVC/aluminium version
- Frame and post connections are welded
- Glazing thickness: 48 mm
- Fitting versions: wall cramp, rawlplug or screw fitting



Values

System	Glass construction	Glass Code	Spacer	Coating	Ug	Uf	Psi	Uw	Thermal Certif.	Rw	C	Ctr	Sound Certif.
KF410	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	0.96	0.033	0.72	yes	34	-2	-6	yes
				solar+	0.6	0.96	0.033	0.79	yes	34	-2	-6	yes
			Alu	light	0.5	0.96	0.073	0.82	yes	34	-2	-6	yes
	solar+	0.6		0.96	0.073	0.89	yes	34	-2	-6	yes		
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	0.96	0.033	0.72	yes	40	-2	-6	yes
				solar+	0.6	0.96	0.033	0.79	yes	40	-2	-6	yes
			Alu	light	0.5	0.96	0.073	0.82	yes	40	-2	-6	yes
	solar+	0.6		0.96	0.073	0.89	yes	40	-2	-6	yes		
	4b/16Ar/4/15Ar/b44.2(VSG-S)	34N	Iso	light	0.6	0.96	0.033	0.79	yes	42	-3	-8	yes
				solar+	0.7	0.96	0.033	0.86	yes	42	-3	-8	yes
			Alu	light	0.6	0.96	0.073	0.89	yes	42	-3	-8	yes
	solar+	0.7		0.96	0.073	0.96	yes	42	-3	-8	yes		
	6b/18Ar/5/18Ar/b44.2(VSG-S)	3NT	Iso	light	0.5	0.96	0.033	0.72	yes	43			no
				solar+	0.6	0.96	0.033	0.79	yes	43			no
			Alu	light	0.5	0.96	0.073	0.82	yes	43			no
	solar+	0.6		0.96	0.073	0.89	yes	43			no		
	8b/16Ar/5/18Ar/b44.2(VSG-S)	3NU	Iso	light	0.5	0.96	0.033	0.72	yes	44			no
				solar+	0.6	0.96	0.033	0.79	yes	44			no
Alu			light	0.5	0.96	0.073	0.82	yes	44			no	
	solar+	0.6	0.96	0.073	0.89	yes	44			no			
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	Iso	light	0.7	0.96	0.033	0.86	yes	45	-1	-5	no	
			solar+	0.8	0.96	0.033	0.93	yes	45	-1	-5	no	
		Alu	light	0.7	0.96	0.073	0.96	yes	45	-1	-5	no	
solar+	0.8		0.96	0.073	1.0	yes	45	-1	-5	no			

KF410 ohne Schaum-inlage	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	1.1	0.033	0.77	ja	34	-2	-6	nein
				solar+	0.6	1.1	0.033	0.84	ja	34	-2	-6	nein
			Alu	light	0.5	1.1	0.073	0.87	ja	34	-2	-6	nein
	solar+	0.6		1.1	0.073	0.93	ja	34	-2	-6	nein		
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	1.1	0.033	0.77	ja	40	-2	-6	nein
				solar+	0.6	1.1	0.033	0.84	ja	40	-2	-6	nein
			Alu	light	0.5	1.1	0.073	0.87	ja	40	-2	-6	nein
	solar+	0.6		1.1	0.073	0.93	ja	40	-2	-6	nein		
	4b/16Ar/4/15Ar/b44.2(VSG-S)	34N	Iso	light	0.6	1.1	0.033	0.84	ja	42	-3	-8	nein
				solar+	0.7	1.1	0.033	0.90	ja	42	-3	-8	nein
			Alu	light	0.6	1.1	0.073	0.93	ja	42	-3	-8	nein
	solar+	0.7		1.1	0.073	1.0	ja	42	-3	-8	nein		
	6b/18Ar/5/18Ar/b44.2(VSG-S)	3NT	Iso	light	0.5	1.1	0.033	0.77	ja	43			nein
				solar+	0.6	1.1	0.033	0.84	ja	43			nein
			Alu	light	0.5	1.1	0.073	0.87	ja	43			nein
	solar+	0.6		1.1	0.073	0.93	ja	43			nein		
	8b/16Ar/5/18Ar/b44.2(VSG-S)	3NU	Iso	light	0.5	1.1	0.033	0.77	ja	44			nein
				solar+	0.6	1.1	0.033	0.84	ja	44			nein
Alu			light	0.5	1.1	0.073	0.87	ja	44			nein	
	solar+	0.6	1.1	0.073	0.93	ja	44			nein			
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	Iso	light	0.7	1.1	0.033	0.90	ja	45	-1	-5	nein	
			solar+	0.8	1.1	0.033	0.97	ja	45	-1	-5	nein	
		Alu	light	0.7	1.1	0.073	1.0	ja	45	-1	-5	nein	
solar+	0.8		1.1	0.073	1.1	ja	45	-1	-5	nein			

System	Glass construction	Glass Code	Spacer	Coating	Ug	Uf	Psi	Uw	Thermal Certif.	Rw	C	Ctr	Sound Certif.
KF410 without foam insert	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	1.1	0.033	0.77	yes	34	-2	-6	no
				solar+	0.6	1.1	0.033	0.84	yes	34	-2	-6	no
			Alu	light	0.5	1.1	0.073	0.87	yes	34	-2	-6	no
	solar+	0.6		1.1	0.073	0.93	yes	34	-2	-6	no		
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	1.1	0.033	0.77	yes	40	-2	-6	no
				solar+	0.6	1.1	0.033	0.84	yes	40	-2	-6	no
			Alu	light	0.5	1.1	0.073	0.87	yes	40	-2	-6	no
	solar+	0.6		1.1	0.073	0.93	yes	40	-2	-6	no		
	4b/16Ar/4/15Ar/b44.2(VSG-S)	34N	Iso	light	0.6	1.1	0.033	0.84	yes	42	-3	-8	no
				solar+	0.7	1.1	0.033	0.90	yes	42	-3	-8	no
			Alu	light	0.6	1.1	0.073	0.93	yes	42	-3	-8	no
	solar+	0.7		1.1	0.073	1.0	yes	42	-3	-8	no		
	6b/18Ar/5/18Ar/b44.2(VSG-S)	3NT	Iso	light	0.5	1.1	0.033	0.77	yes	43			no
				solar+	0.6	1.1	0.033	0.84	yes	43			no
			Alu	light	0.5	1.1	0.073	0.87	yes	43			no
	solar+	0.6		1.1	0.073	0.93	yes	43			no		
	8b/16Ar/5/18Ar/b44.2(VSG-S)	3NU	Iso	light	0.5	1.1	0.033	0.77	yes	44			no
				solar+	0.6	1.1	0.033	0.84	yes	44			no
Alu			light	0.5	1.1	0.073	0.87	yes	44			no	
	solar+	0.6	1.1	0.073	0.93	yes	44			no			
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	Iso	light	0.7	1.1	0.033	0.90	yes	45	-1	-5	no	
			solar+	0.8	1.1	0.033	0.97	yes	45	-1	-5	no	
		Alu	light	0.7	1.1	0.073	1.0	yes	45	-1	-5	no	
solar+	0.8		1.1	0.073	1.1	yes	45	-1	-5	no			

ATTENTION: Glass codes with Ug better than 0.7 and aluminium spacers are not recommended due to the low temperature in the glass edge area and need to be ordered via special enquiry.

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